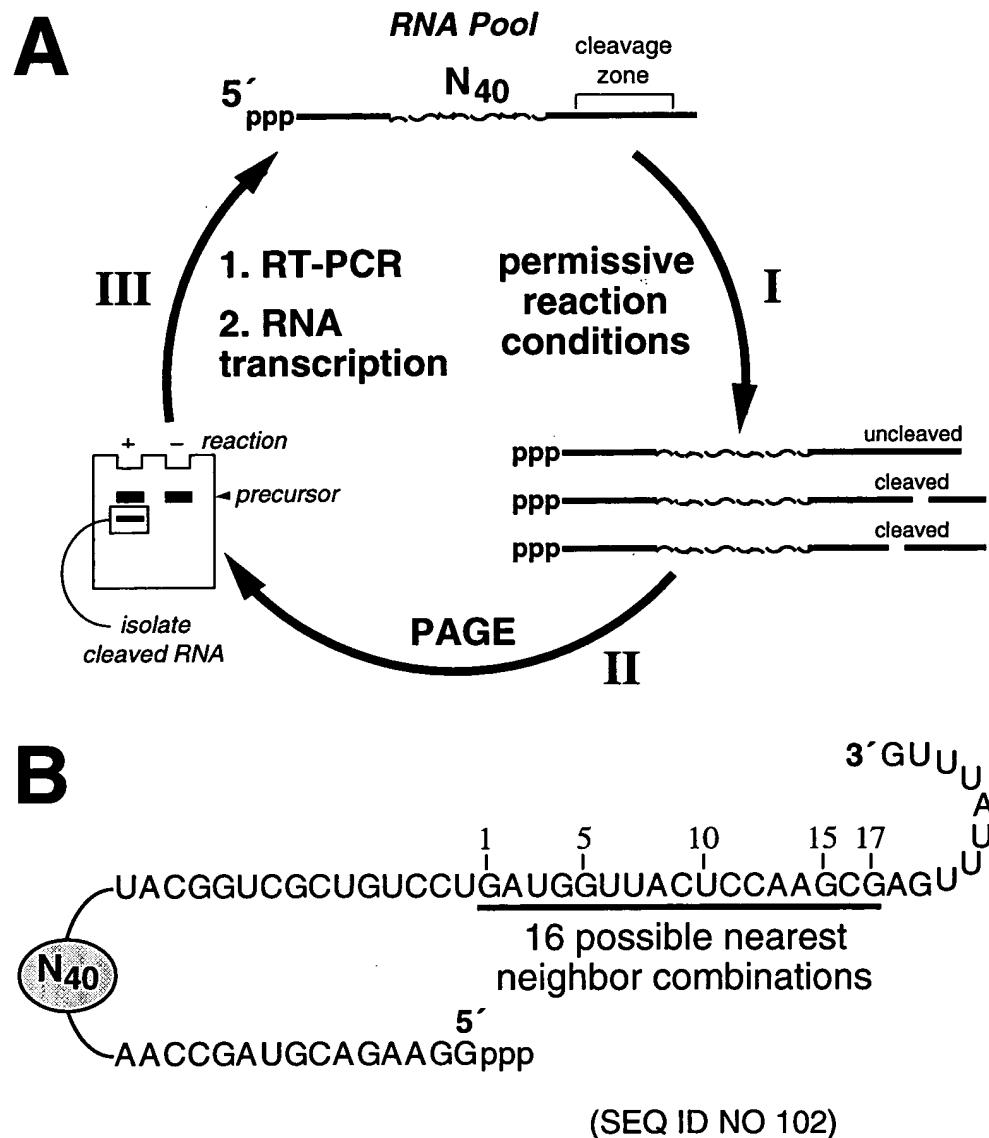
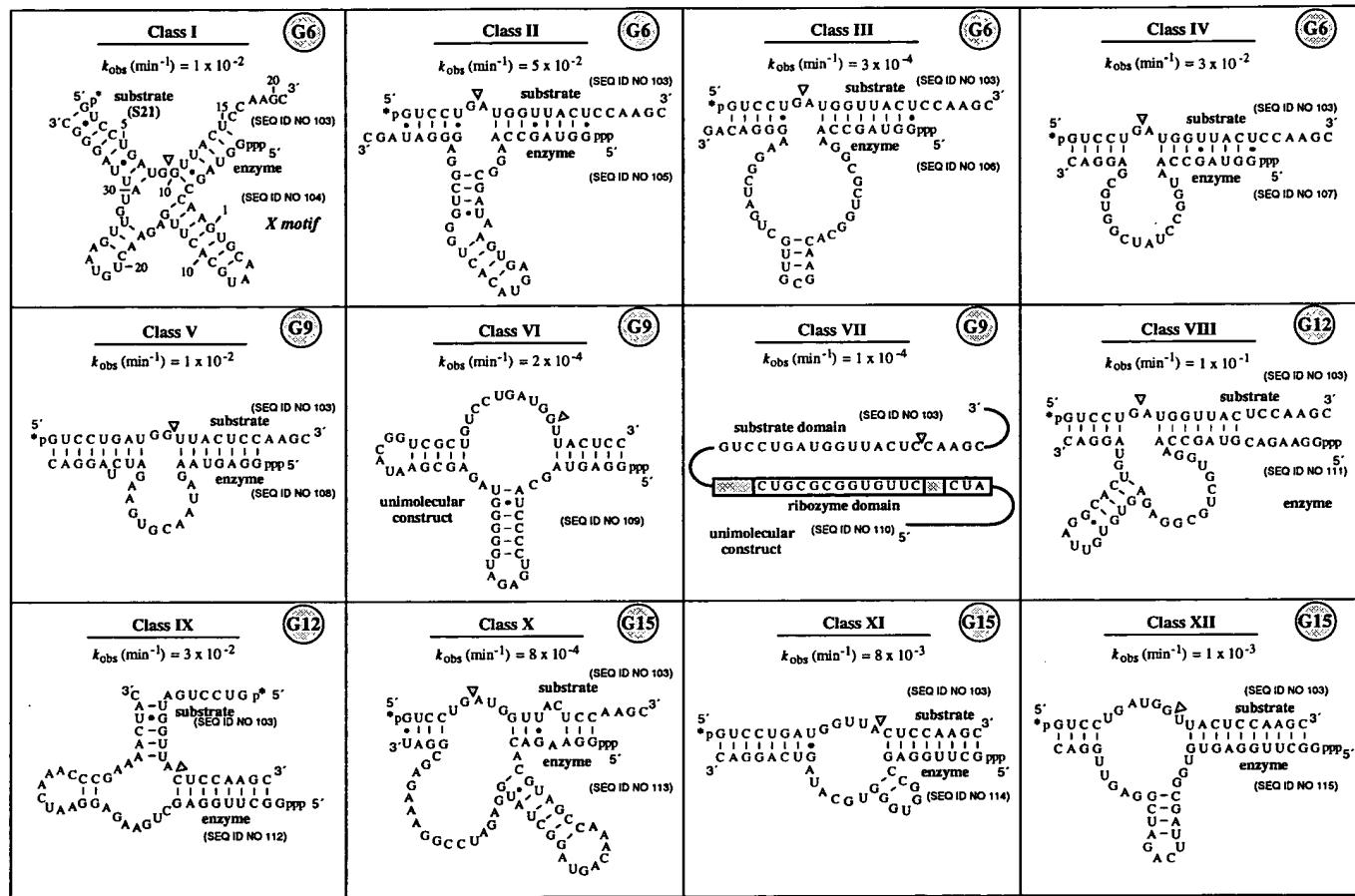


**Figure 1**

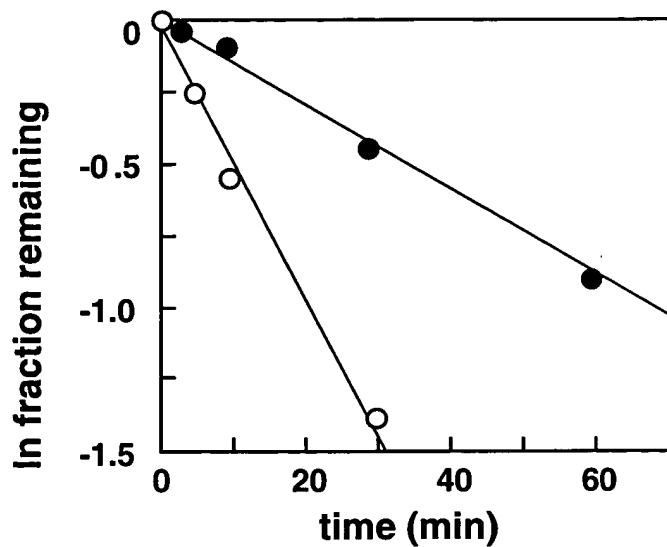


# Figure 2

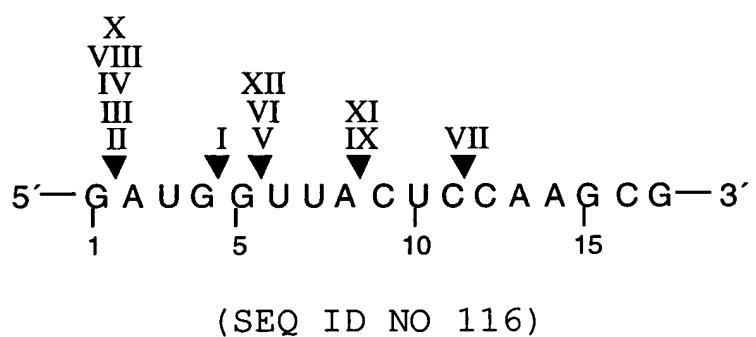


**Figure 3**

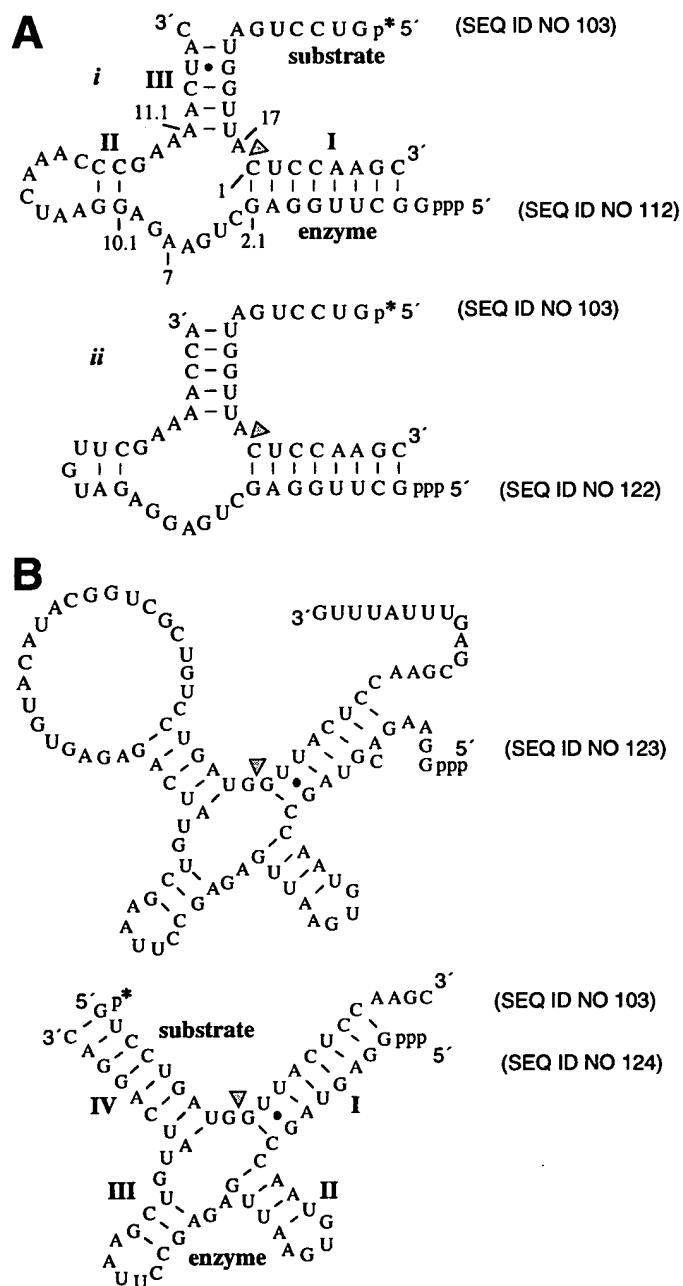
**A**



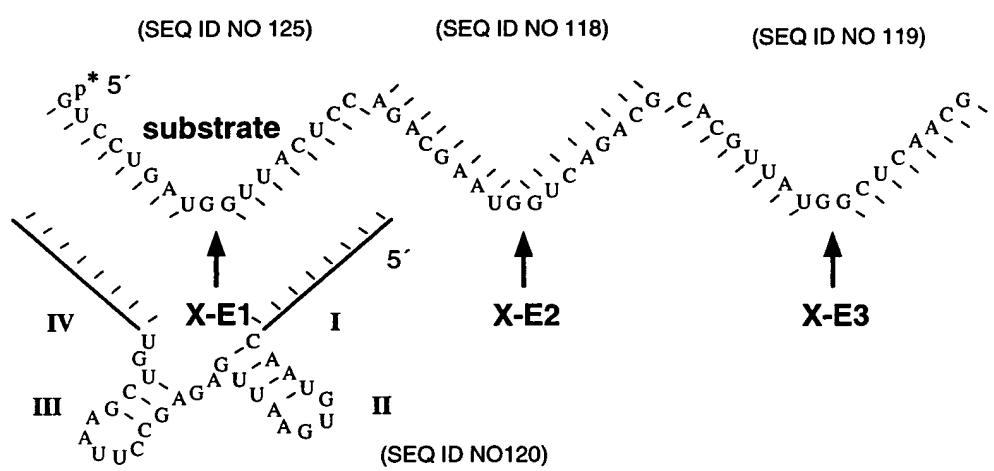
**B**



**Figure 4**



**Figure 5**



**Figure 6: Class V ribozyme 2'-O-methyl core "walk"**

Rate for 6@7 2'-O-Me arms and all ribo core  $K_{obs} = 0.056$  and  $0.058 \text{ min}^{-1}$   
 Rate for all 2'-O-Me enzyme with A14.1 = ribo  $K_{obs} = 0.000008 \text{ min}^{-1}$

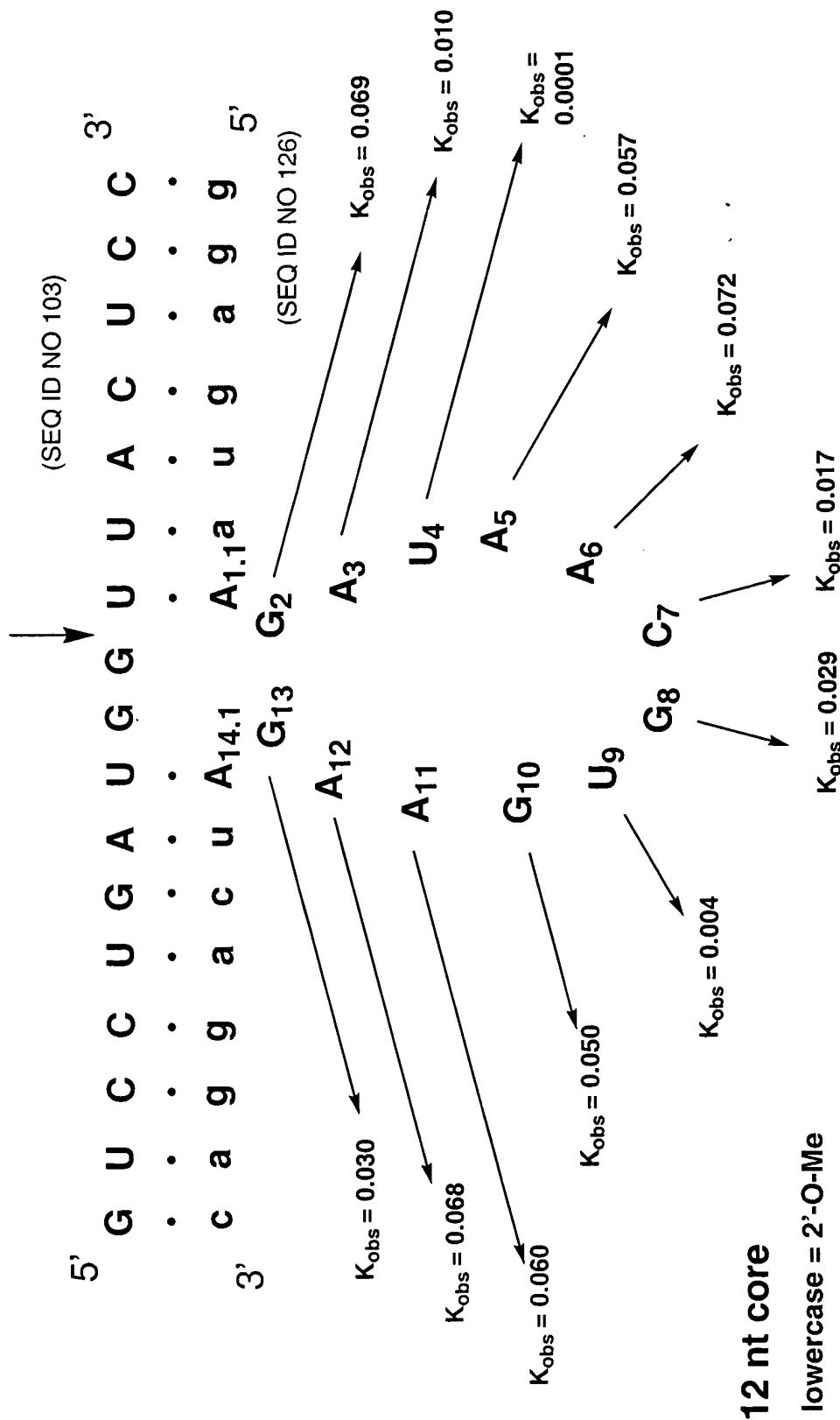
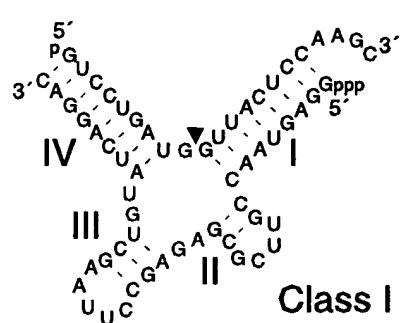


Figure 7: Class I and VIII Sequence and Structural Similarities

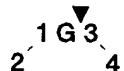
(SEQ ID NO 103)



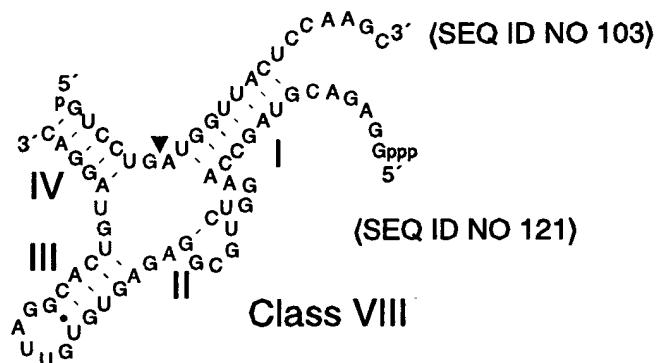
Class I

(SEQ ID NO 117)

Class I motif cleavage site



- 1 = A or U
- 2 = complementary to 1
- 3 = G, A or U
- 4 = complementary to 3



Class VIII

(SEQ ID NO 121)